

XIII. Radioactive Materials

Section XIII of the Modifications of Activities Planned for 2000-2001 lists any changes in the radioactive materials used during this time period and provides information regarding their form, nuclide, site, and specific use.

Add

PROJECT	NUCLIDE	FORM	SITE	USE
BM-042-P	¹⁴ C ³ H ¹⁴ C ³ H ¹⁴ C ³ H	¹⁴ C – Acetate ³ H – Amino Acid Mix ¹⁴ C – Leucine ³ H – Leucine ¹⁴ C – Toluene ³ H - Toluene	McMurdo Station/Dry Valleys	McMurdo Dry Valleys: A Cold Desert Ecosystem
OO-225-O	⁶³ Ni	⁶³ Ni - Nifoil	R/V NATHANIEL B. PALMER	Shelf and Bottom Water Formation Near East Antarctic Polynyas and Glaciers
OO-270-O	²⁴¹ Am ²¹⁰ Po	²⁴¹ Am – Sealed ²¹⁰ Po - Sealed	South Pole	An Investigation of Sulfur Chemistry in the Antarctic Troposphere (ISCAT)

<u>PROJECT</u>	<u>NUCLIDE</u>	<u>FORM</u>	<u>SITE</u>	<u>USE</u>
BO-025-O	³⁵ S	³⁵ S – DMSP	McMurdo Station/Dry Valleys	The Biogeochemistry of Dimethylsulfide (DMS) and Related Compounds in a Chemically Stratified Antarctic Lake (Note correction in description of use)
BO-301-O	¹⁴ C ¹⁴ C ³⁵ S ³ H ³ H ³ H ¹⁴ C ³ H ³ H	¹⁴ C – Alanine ¹⁴ C – ATP ³⁵ S – ATP ³ H – Glucose ³ H – Leucine ³ H – Methyl Thymidine ¹⁴ C – Sodium Bicarbonate ³ H – Thymidine ³ H – Uridine	McMurdo Station	Metabolic studies of various Antarctic organisms

Delete

<u>PROJECT</u>	<u>NUCLIDE</u>	<u>FORM</u>	<u>SITE</u>	<u>USE</u>
BO-037-O	³⁵ S	³⁵ S – L-methionine and L-cysteine mix	Palmer Station	Structure, Function, and Expression of Cold-Adapted Tubulins and Microtubule Dependent Motors from Antarctic Fishes

PROJECT	NUCLIDE	FORM	SITE	USE
BM-042-V	¹⁴ C	¹⁴ C – Sodium Bicarbonate	McMurdo Station	McMurdo Dry Valleys: A Cold Desert Ecosystem
BP-046-O	¹⁴ C ¹⁴ C ³ H	¹⁴ C – Glucose ¹⁴ C – Acetate ³ H – Thymidine	R/V LAURENCE M. GOULD	LTER: Microbiology and carbon flux
BO-301-O	¹⁴ C ³² P ³ H	¹⁴ C – Amino Acids ³² P – Nucleic Acids ³ H – Amino Acid	McMurdo Station	Metabolic studies of various Antarctic organisms
GLOBEC Vernet	¹⁴ C	¹⁴ C – Sodium Bicarbonate	R/V NATHANIEL B. PALMER	Global Ocean Ecosystem Dynamics